



Connecticut Department of Energy and Environmental Protection



Connecticut Department of
**ENERGY &
ENVIRONMENTAL
PROTECTION**

Today's Agenda

- 9:00 a.m. – 9:30 a.m.** Welcome
Overview of EV Roadmap & Climate Goals
Setting the Stage: CT ZEV Initiatives to Date
- 9:30 a.m. – 10:50 a.m.** Panel 1: Public infrastructure today and into the future
- 10:50 a.m. – 11:00 a.m.** Break
- 11:00 a.m. – 12:30 p.m.** Panel 2: Accelerating EV adoption
- 12:30 p.m. – 1:30 p.m.** Lunch Break – please note that lunch is not provided
- 1:30 p.m. – 2:50 p.m.** Panel 3: The role of time-of-use rates to encourage EV adoption and to mitigate adverse grid impacts
- 2:50 p.m. – 3:00 p.m.** Break
- 3:00 p.m. – 4:10 p.m.** Panel 4: Navigating demand charges
- 4:10 p.m. – 4:20 p.m.** Closing remarks



EV Roadmap Overview

- ✓ Fulfilling recommendation of the 2018 Comprehensive Energy Strategy, to develop an electric vehicle roadmap for Connecticut.
- ✓ The EV Roadmap will outline the 2030 vision and identify near-term objectives necessary to support the deployment of increasing numbers of light-duty zero emission vehicles (ZEVs) in Connecticut necessary to meet air quality and climate goals as part of the ZEV MOU and mandatory emission reduction targets.
- ✓ Inform the parameters DEEP will consider when soliciting and developing investment strategies for the deployment of electric vehicle supply equipment (EVSE) infrastructure proposals under the VW NOx Mitigation Grant.



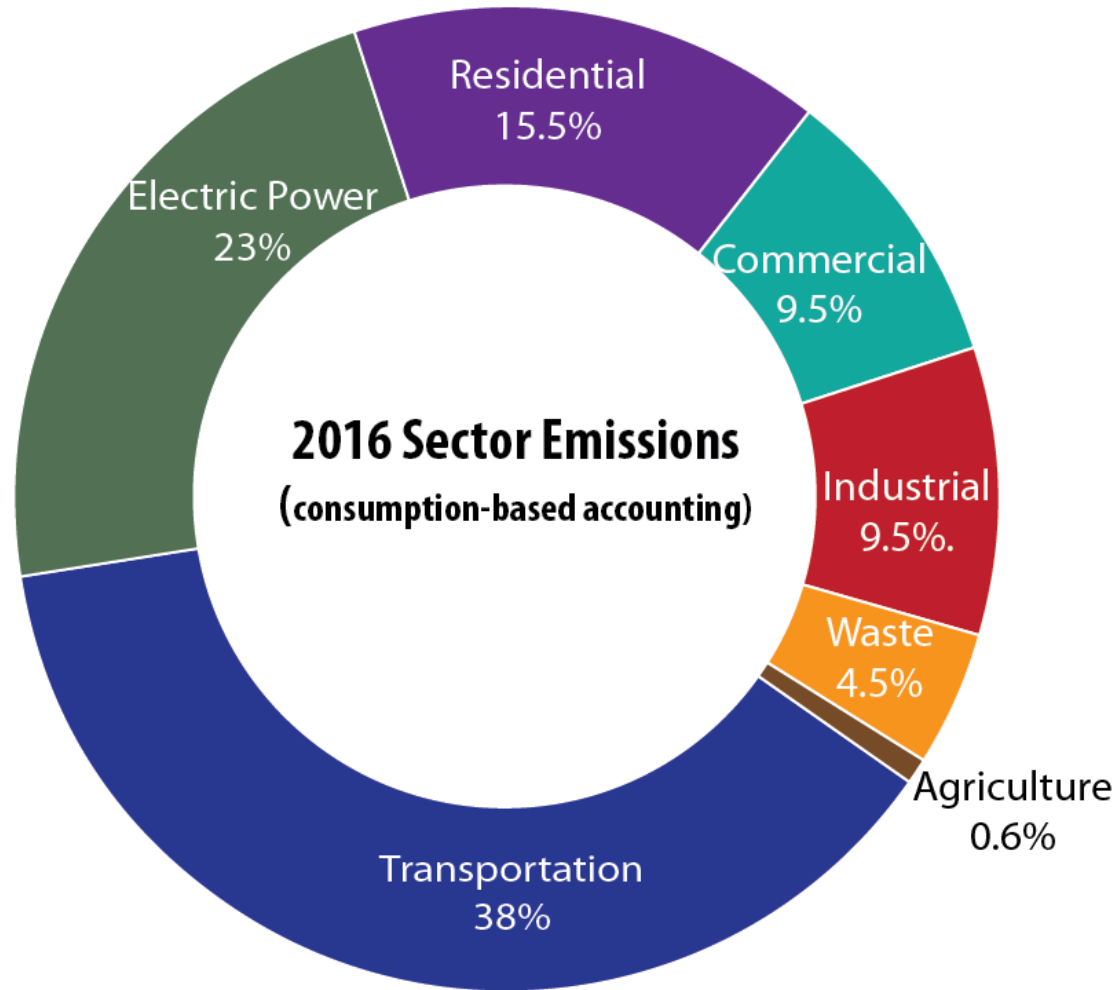
EV Roadmap Timeline

Action	Approximate Timeframe
DEEP initiates EV Roadmap proceeding and notices scoping meeting	Completed November 21, 2018
DEEP scoping meeting	Completed December 14, 2018, at 10:00 a.m.
Comments due on proposed scope	Completed December 20, 2018, by 4:00 p.m.
DEEP technical meeting	February 8, 2019
Comments due on technical meeting (Written comments may be filed electronically on DEEP's website or submitted to deep.climatechange@ct.gov)	February 21, 2019
DEEP issues draft EV Roadmap	March - April 2019
DEEP hearing on draft EV Roadmap	April - May 2019
Comments due on draft version EV Roadmap	May 2019
DEEP issues final EV Roadmap	May- June 2019

All materials submitted by stakeholders in this proceeding will be posted on [DEEP's Energy Filings website](#) under the matter "EV Roadmap."



CT Greenhouse Gas Emissions by Sector



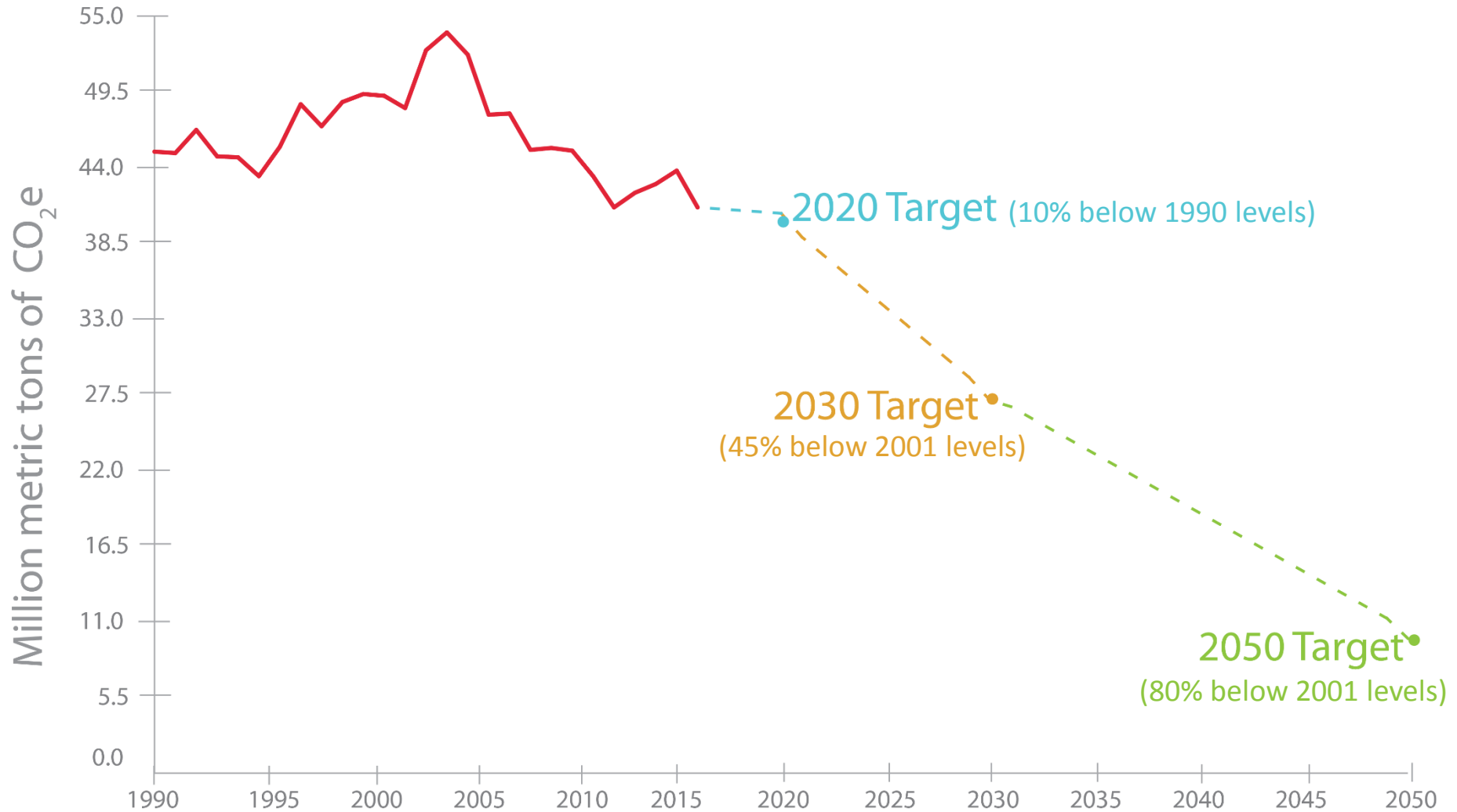
5. Reduce transportation greenhouse gas emissions by accelerating the adoption of low- and zero-emission vehicles and strengthening alternative-fueling infrastructure.

- ✓ Develop an EV Roadmap, that includes a review of sustainable incentive funding models and, in collaboration with PURA, examines the appropriate regulatory framework for EV deployment in CT

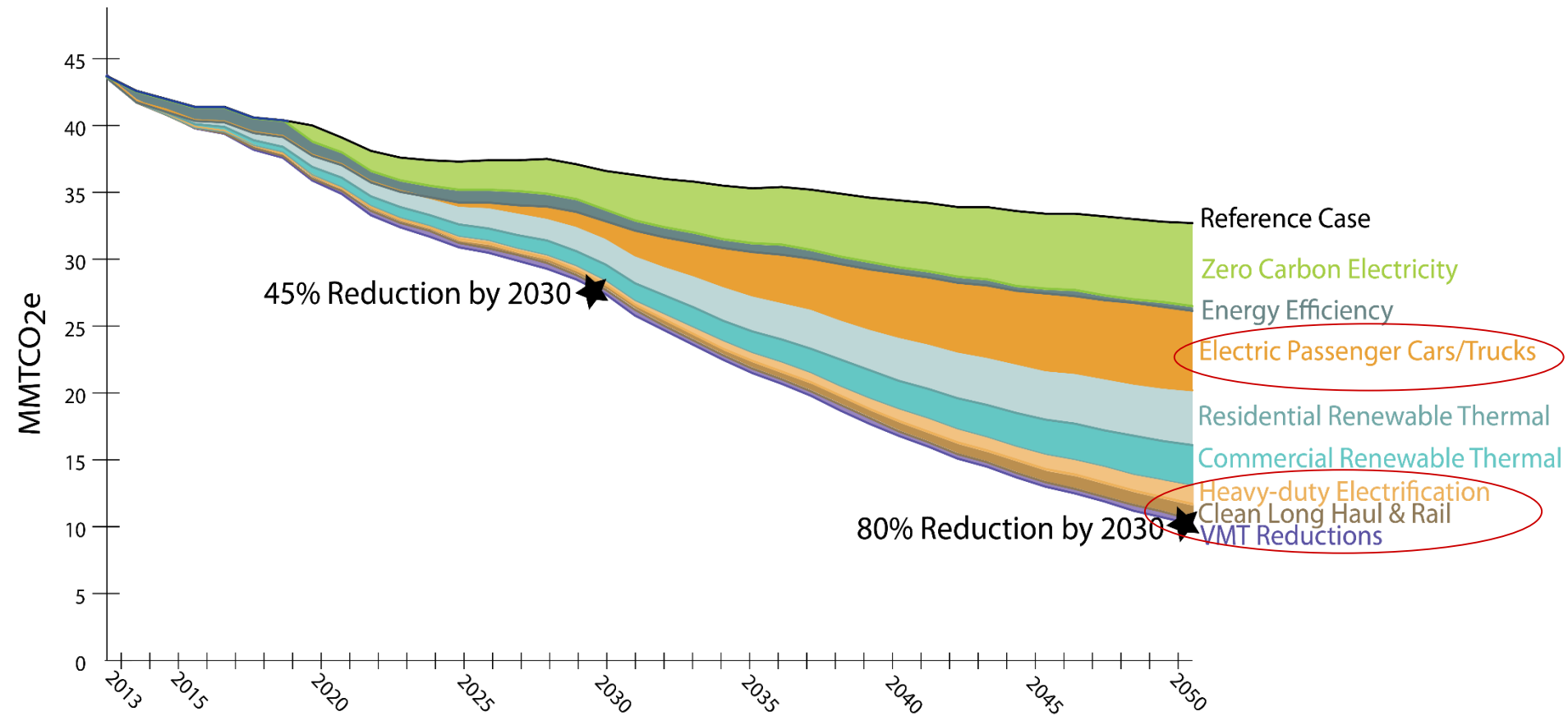
6. Increase mobility, connectivity, and accessibility by advancing smart-growth, mixed-use, transit-oriented development, and innovative transportation partnerships.



Connecticut's Reduction Pathway



GHG Reduction Pathway Analysis



45% Reduction by 2030

80% Reduction by 2030

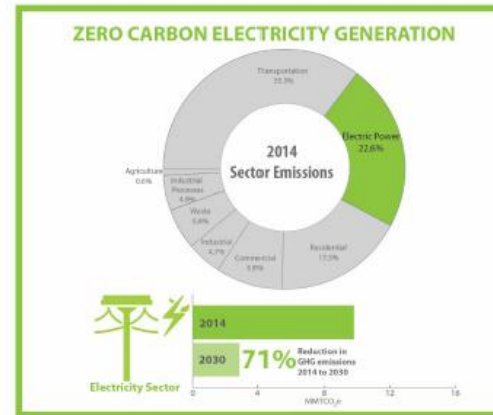
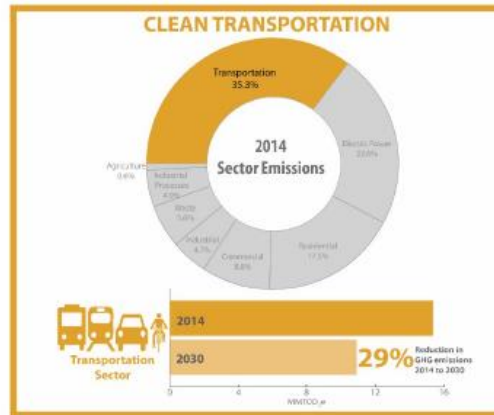
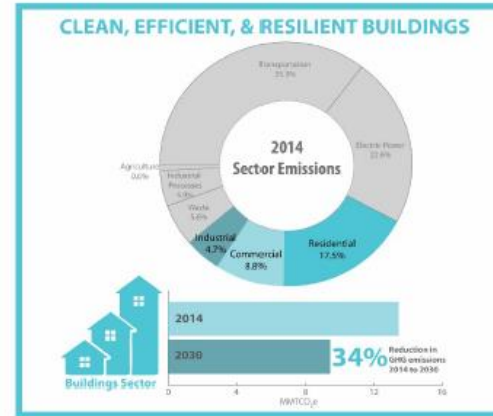
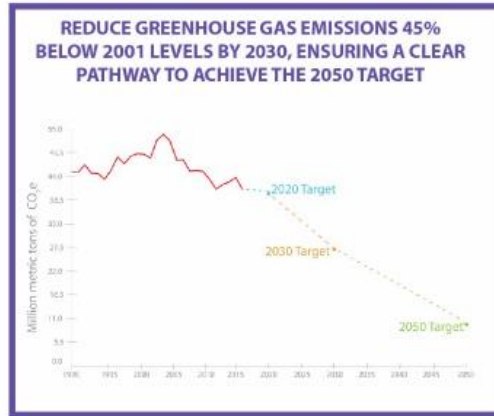
- Reference Case
- Zero Carbon Electricity
- Energy Efficiency
- Electric Passenger Cars/Trucks
- Residential Renewable Thermal
- Commercial Renewable Thermal
- Heavy-duty Electrification
- Clean Long Haul & Rail
- VMT Reductions



GC3 GHG Reduction Strategies and Recommendations

BUILDING A LOW CARBON FUTURE FOR CONNECTICUT

ACHIEVING A 45% GHG REDUCTION BY 2030



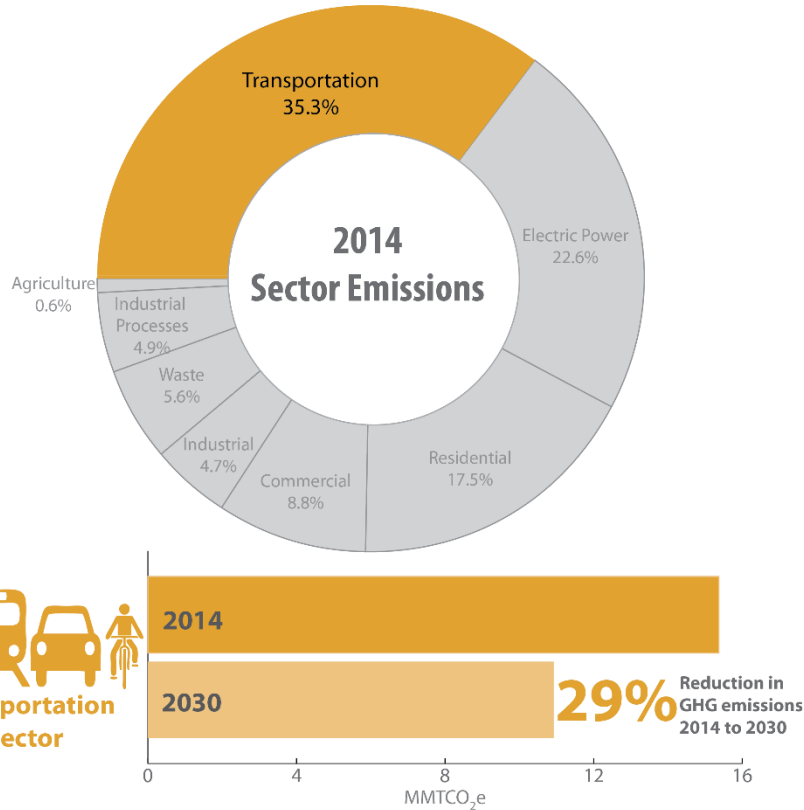
RECOMMENDATIONS FROM THE GOVERNOR'S COUNCIL ON CLIMATE CHANGE

DECEMBER 18, 2018



Transportation Sector Recommendations

CLEAN TRANSPORTATION



- ❑ Maintain increasing fuel economy and low- and zero-emission standards
- ❑ **Increase light-duty ZEV penetration rate to at least 20% by 2030**
- ❑ Advance initiatives that eliminate the rate of annual VMT growth by 2030
- ❑ Develop sustainable funding for transportation electrification and transportation infrastructure

